

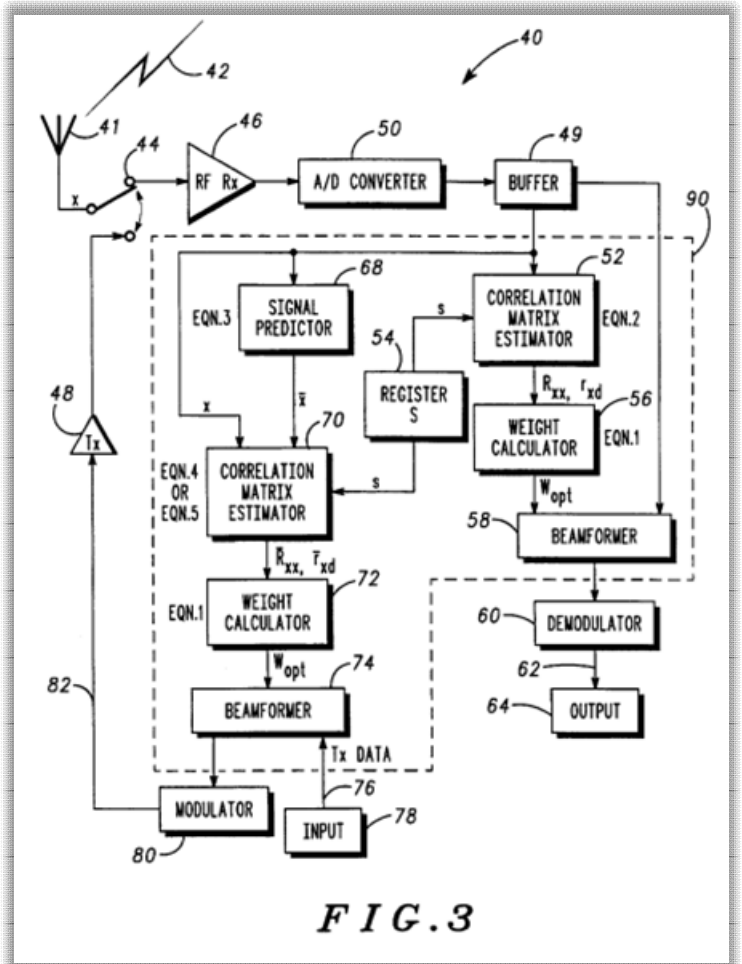
No.	U.S. Patent No. 10,715,235	U.S. Patent No. 6,031,877
		<p>coefficients for application to data for transmission from an adaptive antenna array of antenna elements. As such, available processing time for obtaining the beamforming coefficients is increased.” <i>Saunders</i>, Abstract.</p> <p>“This invention relates, in general, to communication systems and more particularly to communication systems using an adaptive beamforming technique.</p> <p>“Apparatus for receiving and transmitting information from an adaptive antenna array of antenna elements, the apparatus comprising storage means for storing received information and means characterised by: a predictive filter for estimating, in response to the received information, predicted information likely to be received by the apparatus in at least one future transmission to the apparatus; and means for combining the previously received information and the predicted information to generate beamforming coefficients for weighting information to be transmitted subsequently from the array of adaptive antenna elements. The beamforming coefficients to be calculated prior to receipt of information in at least one future transmission to the apparatus.</p> <p>An a second aspect of the present invention there is provided a method for receiving and transmitting information in an apparatus having an array of adaptive antenna elements, the method comprising the step of storing received information and means for estimating, in response to the received information, predicted information likely to be received by the apparatus in at least one future transmission to the apparatus; and means for combining the previously received information and the predicted information to generate beamforming coefficients for weighting information to be transmitted subsequently from the array of adaptive antenna elements, thereby allowing beamforming coefficients to be calculated prior to receipt of information to be received by the apparatus in at least</p>

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		<p>apparatus.” <i>Saunders</i>, 2:49-3:10.</p> <p>“The apparatus 40 is a communication device, such as a base station (or other appropriate)[.]” <i>Saunders</i>, 5:19-20.</p> <p>“Furthermore, implementation of the present invention may be a base station responsible for control of many mobile units.” <i>Saunders</i>,</p>

No.

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U.S. Patent No. 6,031,877



Saunders, Figure 3.

No.	U.S. Patent No. 10,715,235	U.S. Patent No. 6,031,877
1a	an antenna, wherein the antenna comprises a first antenna element and a second antenna element;	Saunders expressly or inherently discloses this claim element. <i>See, e.g.,</i>

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